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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/707,577	12/22/2003	Gerard H. ROUSSEAU	117423	1576
27074	7590	11/25/2005		
OLIFF & BERRIDGE, PLC. P.O. BOX 19928 ALEXANDRIA, VA 22320			EXAMINER TRAN, LY T	
			ART UNIT 2853	PAPER NUMBER

DATE MAILED: 11/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/707,577

Applicant(s)

ROUSSEAU, GERARD H.

Examiner

Ly T. TRAN

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 9-12 and 15-19 is/are rejected.
- 7) ☒ Claim(s) 13 and 14 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/22/03.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 15-19 are rejected under 35 U.S.C. 102(b) as being anticipate by Rousseau et al (USPN 6,068,372).

With respect to claims 15-19, Rousseau discloses an apparatus and a method of installing a drum maintenance unit in a media device comprising:

- A positioning mechanism/releasably securing that properly positions the drum maintenance unit to a media device and provides electrical contact with the media device when the drum maintenance unit is installed in the media device (Column 10; line 29-42)
- Wherein the positioning mechanism provides a signal to the media device when the drum maintenance unit is properly installed in the media device (Column 10; line 29-32)
- Aligning a roller of the drum maintenance unit with a corresponding portion of the media device (fig.3, fig.4)

- Providing an electrical connection comprising providing a data connection between the media device and the drum maintenance unit (10: line 29-32).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-5, 9-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reeves (USPN 5,808,645) in view of Nguyen et al (USPN 6,428,225).

With respect to claim 1-5 and 9-12, Reeves discloses a drum maintenance unit comprising:

- Releasably secures the drum maintenance unit to a media device and provides electrical contact with the media device when the drum maintenance unit is installed in the media device (Fig.5, Column 4: line 54-67)
- Provides a signal to the media device that the drum maintenance unit is properly installed in the media device, sensing mechanism in electrical contact, sensing mechanism comprises a data device and data connection between the data device and a media device when the drum maintenance unit is installed in the media device and an electrical for the drum

maintenance unit when the drum maintenance unit is installed in a media device (column 4: line 54-67 Column 10: line 36-56)

However, Reeves et al. fails to teach the latching mechanism and a recess formed in a portion of one of the drum maintenance unit and a media device and a corresponding member on the other of the drum maintenance unit and the media device, the corresponding member being adapted to engage the recess when install the cassette in the media device.

Nguyen et al. teaches the latching mechanism and a recess formed in a portion of one of the drum maintenance unit and a media device and a corresponding member on the other of the drum maintenance unit and the media device, the corresponding member being adapted to engage the recess when install the cassette in the media device (fig.10, Column 4: line 49-67).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have the latching mechanism as taught by Nguyen et al. The motivation of doing so is for preventing the cassette from sliding out of the cavity of the media device.

Nguyen discloses the claimed invention except for the shaped of the recess. It would have been an obvious matter of design choice to have a V shaped, since applicant has not discloses that the V-shaped of the recess solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well with any shaped of the recess.

Allowable Subject Matter

3. Claims 6-8 and 13-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 6-8 are allowable over prior art of record because at least prior art have not been found to anticipate or teach a protective layer provided between the data connection point of the data device and the media device when the drum maintenance unit is installed in the media device.

Claims 13 and 14 is allowable over prior art of record because at least prior art of record have not been found to anticipate or teach the V-shaped slot has a first surface that has a first dimple, and the first surface is oriented so that at least the first dimple is in contact with the corresponding member of the device,

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ly T. TRAN whose telephone number is 571-272-2155. The examiner can normally be reached on M-F (7:30am-5pm).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on 571-272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2853

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

LT

November 22, 2005

 11/23/05
MANISH S. SHAH
PRIMARY EXAMINER